

# Signalling devices

## Audible signalling device Sounder

In flameproof enclosure

YA60/C/D/EU Art. No. 205191



- Horn: Omnidirectional/max. 110 db(A)
- Type of protection: Ex d
- Class: IP66/67 (IEC 60529/NEMA 4X)
- Robust aluminium enclosure (powder-coated)
- Tones can be selected individually via a DIL switch for each pitch
- Including fastening bracket
- 32 standardised preconfigured signal tones (compatible with PFEER/UKOOA)
- Two separate signal tones can be selected
- Connection for telephone systems can be ordered as an option

MY R. STAHL YA60A



The YA60 product series provides audible alarm signals which can be used to alert, warn or draw attention to equipment malfunction/start-up or any number of safety-related issues in hazardous areas. Omnidirectional audible panel signal, intended for use in hazardous or harsh environments.

### Technical Data

#### Explosion Protection

Scope of validity	IECEX European Union (ATEX)
Application range (zones)	1, 2, 21, 22
IECEX gas certificate	IECEX BAS 05.0087X
IECEX gas explosion protection	Ex db IIB+H2 T6 / T4 Gb
IECEX dust certificate	IECEX BAS 05.0087X
IECEX dust explosion protection	Ex tb IIIC T85 °C / T135 °C Db
ATEX gas certificate	Baseefa 02 ATEX 0222 X
ATEX gas explosion protection	⊕ II 2 G Ex db IIB+H2 T6 / T4 Gb
ATEX dust certificate	Baseefa 02 ATEX 0222 X
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T85 °C / T135 °C Db
Certificates	ATEX (BAS), IECEX (BAS)

#### Electrical Data

Rated operational voltage DC	24 V
Rated operational current	0.35 A (T6)
Tolerance	-10 ... 10 %

#### Acoustic Data

Sound pressure level	max. 110 dB(A) @ 1 m
Tone selection	Via DIL switch
Sound level	2

#### Ambient Conditions

Ambient temperature	-20 °C ... +40 °C (T6) -20 °C ... +60 °C (T4)
Functional ambient temperature	-20 °C ... +40 °C (T6) -20 °C ... +60 °C (T4)

#### Mechanical Data

Degree of protection (IP) (IEC 60529)	IP66
Enclosure material	Aluminium, powder-coated, Seawater-resistant

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## Mechanical Data

Enclosure colour	red normal
Trumpet material	ABS, flame retardant
Max. solid connection terminals	2.5 mm <sup>2</sup>
Max. finely stranded connection terminals	2.5 mm <sup>2</sup>
Width	145 mm
Height	289 mm
Length	148 mm
Weight	5.4 kg
Weight	11.9 lb

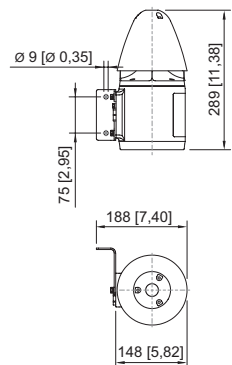
## Mounting / Installation

Connection type	Screw terminal
Mounting part material	Sheet steel, powder-coated
Note about mounting	Provided

## Components

Drilled holes	2 x M20
Cable glands and entries	Can be ordered as accessories
Stopping plugs	1 x M20 x 1.5 1 x dust cap
Stopping plug material	Brass

## Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



## Accessories

### Enclosure flange



complete, green, ATEX spare

Art. No.

209378

### Mounting accessories



L-bracket, stainless steel, (available for FL60, YL60, YA60)

L-bracket, stainless steel, (available for FL60, YL60, YA60)

Art. No.

210794

210794

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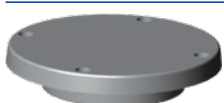
YA60/C/D/EU Art. No. 205191


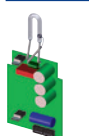



Sound reduction kit		Art. No.
	Sound reduction kit reduces the dB output to 75 dB(A) in 24 V DC variants	229983

Metal cable gland		Art. No.
	Ex d and Ex e cable gland with compound for all types of armoured cables (SWA, wire-braid, tape) (nickel-plated brass) Type 20PX2K, M20 x 1.5	109428
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	Ex d and Ex e cable glands with RapidEx sealing system for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass) Type 20PX2K-REX, M20 x 1.5	246649
	Ex d and Ex e cable glands with compound for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass) Type 20PXSS2K, M20 x 1.5	109441
	Ex d and Ex e cable glands with compound for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass) Type 20PXSS2K, M20 x 1.5	109441
	Ex d and Ex e cable glands with RapidEx sealing system for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass) Type 20PXSS2K-REX, M20 x 1.5	246605

## Spare Parts

Cover FL60/YA60		Art. No.
	Cover with set of screws	227892

Spare PCB assembly kit		Art. No.
	PCB YA60 115 to 230 V AC	209515
	PCB YA60/C 24 V DC	222969
	PCB YL60/C 5 J/24 V DC	222970

Shaped horn assembly kit		Art. No.
	Shaped horn YA60/YL60/YA6S/YL6S spare ATEX	213457

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